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| Substitute for form 1449A and B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 09/719,870 |
| | | | | Filing Date | June 17, 1999 |
| | | | | First Named Inventor | Damha et al. |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 9 | Attorney Docket Number | 1770-206"US" |

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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------------------------|--|--|---|---|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Name of Patentee or Applicant Of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | † |
| | | Office ³ | Number ⁴ (if known) | | | | |
| | | WO | 93 10820 | | 10-06-1993 | | |
| | | WO | 90 03370 | | 05-04-1990 | | |
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| Examiner Signature | <i>Paul J. Ford</i> | Date Considered | 9-22-03 |
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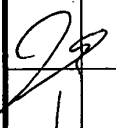

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

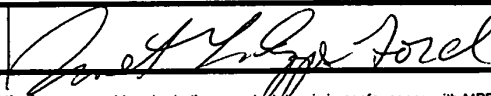
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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|  | | Aoyagi M. et al.; <i>Bioorganic & Medicinal Chemistry Letters</i> ; 1996; 6: 1573-1576 | |
| | | Noronha A. et al.; <i>Nucleic Acids Res</i> ; 1998; 26(11): 2665-71 | |
| | | Giannaris P.A. et al.; <i>Canadian Journal Of Chemistry</i> ; 1994; 72/3: 909-918 | |
| | | Sanghvi Y. & Cook D.; <i>ACS Symposium Series</i> ; 1994; 580: 1-22 | |
| | | Altmann K. H. et al.; <i>Antisense Oligonucleotide Technology</i> ; 1998; 73-107 | |
| | | Noronha A. & Damha M.; <i>Journal Of Biomolecular Structure & Dynamics</i> ; 1997;14: 805-806 | |
| | | Xodo Le et al.; <i>J. Biomol Struct Dyn</i> ; 1994; 11 (4): 703-20 | |
| | | Flanagan M. et al.; <i>Nucleic Acids Research</i> ; 1996; 24: 2936-2941 | |
| | | Wilds C.J. et al.; <i>Bioconjug Chem</i> ; 1999; 10(2): 299-305 | |
| | | Damha M.J. et al.; <i>Journal Of The American Chemical Society</i> ; 1998; 120/49: 12976-12977 | |
|  | | Adams, A.D.; Petrie, C.R.; Meyer Jr., R.B. <i>Nucleic Acids Res.</i> 1991, 19, 3647 | |

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| | | Agrawal, S.; Iyer, R.P. <i>Cur. Op. Biotech.</i> 1995, 6, 12. | |
| | | Agrawal, S.; Mayrand, S.H.; Zamenick, P.; Pederson, T. <i>Proc. Natl. Acad. Sci. USA</i> 1990, 87, 1401 | |
| | | Akhtar, S.; Agrawal, S. "In vivo studies with antisense oligonucleotides" <i>TIPS</i> 1997, 18, 12 | |
| | | Alberts, B. <i>Molecular Biology of the Cell</i> , pp. 304, Garland, N.Y., 1989 | |
| | | Alul, R.; Hoke, G.D. <i>Antisense Res. Dev.</i> 1995, 5, 3 | |
| | | Ausubel, F.M. et al., <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., 1994 | |
| | | Bergman, F.; Bannworth, W.; Tam, S. <i>Tetrahedron Lett.</i> 1995, 36, 6823 | |
| | | Bloomfield, V.A.; Crothers, D.; Tinoco, Jr., I. "Physical Chemistry of Nucleic Acids", Harper and Row, N.Y., 1974 | |
| | | Boiziau, C.; Kurfurst, R.; Cazanave, C.; Roig, V.; Thuong, N.T. <i>Nucleic Acids Res.</i> 1991, 19, 1113 | |
| | | Brach, A.D.; "A good antisense molecule is hard to find", <i>TIBS</i> , 1998, 23, 45 | |
| | | Chiang et al. <i>J. Biol Chem.</i> 1991, 266, 18162 | |

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| Examiner Signature | <i>Christ L. Leger</i> | Date Considered | 9-22-03 |
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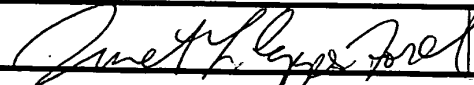
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|  | | Chu, C.K.; Matulic-Adamic, J.; Huang, J.-T.; Chou, T.-C.; Burchenal, J.H.; Fox, J.J.; Watanable, K.A. <i>Chem. Pharm. Bull.</i> 1989, 37, 336 | |
| | | Chu, C.K., <i>Nucleosides and Nucleotides as Antitumor and Antiviral Agents</i> , Baker, D.C. (eds.), pp. 265-284, Plenum Press, N.Y., 1993 | |
| | | Chwang, A.K.; Sundaralingam, M. <i>Nature</i> 1973, 243, 78 | |
| | | Cook, P.D. <i>Anti-Cancer Drug Design</i> 1991, 6, 585 | |
| | | Crooke et al. <i>Biochem J.</i> 1995, 312, 599 | |
| | | Crooke, S.T. <i>Annu. Rev. Pharmacol. Toxicol.</i> 1992, 32, 329 | |
| | | Crooke, S.T.; Bennett, C.F. <i>Annu. Rev. Pharmacol. Toxicol.</i> 1996, 36, 107 | |
| | | Crooke, S.T. et al. <i>J. Pharmacol. Exp. Ther.</i> 1996, 277, 923 | |
| | | Damha et al. <i>Nucleic Acids Res.</i> 1990, 18, 3813 | |
| | | Damha, M.J.; Usman, N.; Ogilvie, K.K., <i>Can. J. Chem.</i> 1988, 67, 831 | |
|  | | Daniher, A.T. et al. <i>Bioorg. & Med. Chem.</i> 1997; 5, 1037 | |

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Sheet

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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|-----------------------|--------------------------|--|----------------|
| | | De Bouvere, B. et al., <i>Nucleosides & Nucleotides</i> 1997, 16, 973 | |
| | | DeMesmaeker, A.; Haner, R.; Martin, P.; Moser, H. <i>Acc. Chem. Res.</i> 1995, 28, 366 | |
| | | Eckstein, F. <i>Ann. Rev. Biochem.</i> 1985, 54, 367 | |
| | | Federoff, O.Y.; Salazar, M.; Reid, B.R. <i>J. Mol. Biol.</i> 1993, 233, 509 | |
| | | Gao et al. <i>Mol. Pharmacol.</i> 1991, 41, 223 | |
| | | Gao, Y.-G. et al., <i>Biochemistry</i> 1991, 30, 9922 | |
| | | Giannaris, P.A.; Damha, M.J., <i>Nucleic Acids Res.</i> 1993, 20, 4742 | |
| | | Giles et al. <i>Nucleic Acids Res.</i> 1995, 23, 954 | |
| | | Giles, R.V.; Spiller, D.G.; Tidd, D.M. <i>Antisense Res. & Devel.</i> 1994, 5, 23 | |
| | | Gossen, M., H. Bujard 1992, <i>Proc. Natl. Acad. Sci. USA.</i> 89, 5547-5551 | |
| | | Gotfredsen, C.H.; Spielmann, P.; Wengel, J.; Jacobsen, J.P. <i>Bioconjugate Chem.</i> 1996, 7, 680 | |

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SignatureDate
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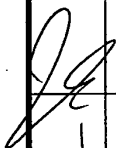

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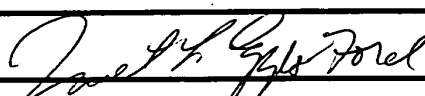
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|  | | Gotte et al., EMBO J. 1995, 14, 838 | |
| | | Hausen, P.; Stein, H. Eur. J. Biochem. 1970, 14, 279 | |
| | | Herdewijn, P. et al., in "Carbohydrate Modifications in Antisense Research", Sanghvi, Y.S.; Cook, P.D. (eds), ACS Symposium Series, vol. 580, pp. 80, American Chemical Society, Washington DC, 1994 | |
| | | Higson, A.P. et al. Tetrahedron Letters 1998, 39, 3899 | |
| | | Howell, H.G.; Brodfuehrer, P.R.; Brundidge, S.P.; Benigni, D.A.; Sapino, C., Jr. J. Org. Chem. 1988, 53, 85 | |
| | | Ikeda et al. Nucleic Acids Res. 1998, 26, 2237 | |
| | | Kibler-Herzog, L. et al. Nucleic Acids Res. 1990, 18, 3545 | |
| | | Kois, P. et al. Nucleosides & Nucleotides 1993, 12, 1093 | |
| | | Kois, P.; Watanabe, K.A. Nucleic Acids Symposium Series 1993, 29, 215 | |
| | | Kufe, D.W.; Spriggs, D.R. Semin. Oncol. 1985, 12, 34 | |
|  | | Lauer et al. Cancer 1987, 60, 2366 | |

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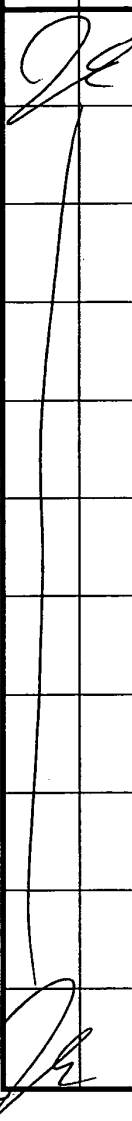
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|  | | Le Doan, T. et al. <i>Nucleic Acids Res.</i> 1987, 15, 7749 | |
| | | Lima, W.F.; Crooke, S.T. <i>Biochemistry</i> 1997, 36, 390 | |
| | | Marquez, V.E.; Lim, B.B.; Barchi, J.J., Jr.; Nicklaus, M.C., "Conformational studies of anti-HIV activity of mono- and difluorodeoxynucleosides", in <i>Nucleosides and Nucleotides as Antitumor and Antiviral Agents</i> , Chu, C.K.; Baker, D.C. (eds.), pp. 265-284 | |
| | | Mikita, T.; Beardsley, G.P. <i>Biochemistry</i> 1988, 27, 4698 | |
| | | Mikita, T.; Beardsley, G.P. <i>Biochemistry</i> 1994, 33, 9195 | |
| | | Mirabelli, C.K. and Crooke, S.T.; Lebleu, B. <i>Antisense Research and Applications</i> ; 1993, index page, CRC Press, Boca Raton, FL | |
| | | Monia et al. <i>J. Biol. Chem.</i> 1993, 268, 14514 | |
| | | Monia, P.B.; Johnston, J.F.; Geiger, T.; Muller, M.; Fabbro, D. <i>Nature Med.</i> 1996, 2, 668 | |
| | | Morvan, F.; Rayner, B.; Imbach, J.-L.; Chang, D.K.; Lown, J.W. <i>Nucleic Acids Res.</i> 1987, 15, 7027 | |
| | | Moser, H. E., Dervan, P.B. <i>Science</i> 1987, 238, 645 | |
| | | Nakamura, H. et al. <i>Proc. Natl. Acad. Sci. USA</i> 1991, 88, 11535 | |

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| [Signature] | | Nielsen, P.E. in "Perspectives in Drug Discovery and Design", vol. 4, pp. 76, Trainor, G.L. (ed.), ESCOM, Leiden, 1996 | |
| | | Oda et al. <i>Nucleic Acids Res.</i> 1993, 21, 4690 | |
| | | Puglisi, J.D.; Tinoco, I. Jr. <i>Methods in Enzymology</i> , Dahlberg, J.E.; Abelson, J.N. (eds.), 180, pp. 304, Academic Press, S.D., 1989 | |
| | | Resmini, M.; Pfeleiderer, W. <i>Helv. Chim. Acta</i> 1994, 77, 429 | |
| | | Resmini, M.; Pfeleiderer, W. <i>Helv. Chim. Acta</i> 1993, 76, 158 | |
| | | Roberts, R.W.; Crothers, D.M. <i>Science</i> 1992, 258, 1463 | |
| | | Robins, M.J. et al. in "Nucleosides, Nucleotides and their Biological Applications", Rideaut, J.L.; Henry, D.W.; Beacham III, L.M. (eds.), pp. 279, Academic Press, Inc., 1993 | |
| | | Saenger, W. <i>Principles of Nucleic Acids Structure</i> , Cantor, C.R. (ed.), Springer-Verlag, N.Y., 1984 | |
| | | Salazar, M.; Champoux, J.J.; Reid, B.R. <i>Biochemistry</i> 1993, 32, 739 | |
| | | Salazar, M.; Federoff, O.Y.; Reid, B.R. <i>Biochemistry</i> 1996, 35, 8126 | |
| [Signature] | | Seeberger, P.H.; Yen, E.; Caruthers, M.H. <i>J. Am. Chem. Soc.</i> 1995, 117, 1472 | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/719,870 |
| | | Filing Date | June 17, 1999 |
| | | First Named Inventor | Damha et al. |
| | | Group Art Unit | |
| | | Examiner Name | |
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| [Signature] | | Sanghvi, Y. DNA in "Altered Backbones in Antisense Applications", in <i>Comprehensive Natural Product Chemistry</i> , Barton, D.H.R.; Nakanishi, K.; Meth-Coth, O. (eds), 1998, Elsevier Science, Oxford, UK | |
| | | Sergueev, D. et al., Poster 269, XIII International Round Table, Montpellier, France, Sept. 6-10, 1998 | |
| | | Tann, C.H.; Brodfuehrer, P.R.; Brundidge, S.P.; Sapino, C. Jr.; Howell, H.G. <i>J. Org. Chem.</i> 1985, 50, 3644 | |
| | | Teng, M. et al. <i>Biochemistry</i> 1989, 28, 4923 | |
| | | Ts'o, P.O.P. (ed.), "Basic Principles in Nucleic Acid Chemistry", vol. 1 and 2, Academic Press, N.Y., 1974 | |
| | | Uhlmann, E.; Peyman, A. <i>Chem. Rev.</i> 1990, 90, 543 | |
| | | Van der Laan, A.C. et al. <i>Trav. Chim Pays-Bas</i> 1995, 114, 295 | |
| | | Walder, R.T.; Walder, J.A. <i>Proc. Natl. Acad. Sci. USA</i> 1988, 85, 5011 | |
| | | Wickstrom, E.; Tinoco, I. Jr. <i>Biopolymers</i> 1974, 13, 2367 | |
| | | Wright, G.E.; Brown, N.C. <i>Pharmacol. Ther.</i> 1990, 47, 447 | |
| [Signature] | | Zhao, G. et al., <i>Biochem. Pharmacol.</i> 1996, 51, 173 | |

| | | | |
|-----------------------|-------------|--------------------|---------|
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